

Amendments to the Specification:

Please replace the paragraph beginning at page 4, line 25 with the following amended paragraph:

A computer (16) is used to control the operation of the apparatus (10) and the 3D table (12). Most of the operations of the apparatus (10) itself involve the use of pressurized air coming from a pneumatic source (18). Other actuation mechanisms ~~mechanism~~ could be used to replace pressurized air, for instance a cam system, hydraulic systems, etc. A pneumatic valve package (20), shown in FIG. 1, allows the computer (16) to remotely control pneumatic actuators provided on the apparatus (10). The computer (16), among other things, further allows the operating parameters to be easily changed whenever necessary, thereby allowing the apparatus (10) to be highly versatile. For instance, it allows to easily changing the length of the wire (W) and the pattern of the wire lengths. The same apparatus (10) can be used for many applications.

Please replace the paragraph beginning at page 5, line 28 with the following amended paragraph:

Referring back to FIGS. 1 and 2, an inspection system, comprising a camera (35), can be provided to allow an operator to see how the wire installation progresses. The apparatus (10) of the preferred embodiment also comprises a visual positioning system using a camera (36) to locate reference points on the mechanical structure (30). This positioning system comprises a DOAL®deal (37); which consists of an illumination system using internal LEDs and a splitting mirror. An aperture (38) on the DOAL®deal (37) allows the camera (36) to see the reference points on the mechanical structure (30). The camera (36) is connected to the computer (16).

Please replace the paragraph beginning at page 11, line 6 with the following amended paragraph:

It should be noted that the exact location of the plates and tools might be different than that shown and described. For instance, depending on the desired functions, the retainer “short” and/or “long” can be positioned on either side. A retainer can also be used as has a bending tool depending on its shape and length. Furthermore, it is possible to locate the cutter tool (110) outside the punch stack assembly (100).

Please replace the paragraph beginning at page 11, line 26 with the following amended paragraph:

In FIG. 11, the wire (W) is being laid over the crimp (40). If the crimp (40) is the first one of a set, a small section of wire (W) initially protrudes from the wire output guide (60). This is either the result of a manual positioning when a new spool (22) is installed or, more likely, a section left after a previous installation. If it is another crimp (40) of a set, the free end of the wire (W) would now be connected to another crimp (40). Retracting Having the gripper (80) ~~retracted~~ and moving the apparatus (10) relative to the mechanical structure (30) ~~then~~ pulls additional wire (W) out of the wire output guide (60). Prior to moving move back to the crimp (40), the gripper (80) has to be activated to grip the wire (W) so that the wire (W) will not return back inside the wire output guide (60). Movement then continues until the punch stack assembly (100) is aligned with the crimp (40). An extra Extra amount of wire (W) can be pulled pull prior to activating activate the gripper (80) so that there is loose ~~of~~ wire (W) ~~can be generated~~ between the two crimps (40).